

## **MOTORIZED BICYCLE DERAILLEUR ASSEMBLY**

### **ABSTRACT OF THE DISCLOSURE**

A motorized bicycle derailleur assembly is provided with a motor unit, a derailleur, and a motor linkage. The motor unit rotates an output shaft in first and second rotational directions to shift the derailleur. The derailleur includes a fixing body, a chain guide and a derailleur linkage operatively coupled between the fixing body and the chain guide to move between a first shift position and a second shift position. The motor linkage is operatively coupled to the output shaft of the motor unit and the derailleur linkage to move the chain guide from the first shift position to the second shift position upon rotation of the output shaft in the first rotational direction and move the chain guide from the second shift position to the first shift position upon rotation of the output shaft in the second rotational direction.